

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 9, 2005, 10:46:10 ; Search time 192.141 Seconds  
(without alignments)  
9120.666 Million cell updates/sec

Title: US-09-938-842A-1034  
Perfect score: 1071  
Sequence: 1 atggcgacaattcagaagct.....cacggtcatcgaaacctga 1071

Scoring table: IDENTITY NUC  
Gapop 10.0, Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents NA.\*  
1: /cgn2\_6/ptodata/1/ina/5A-COMB.seq.\*  
2: /cgn2\_6/ptodata/1/ina/5B-COMB.seq.\*  
3: /cgn2\_6/ptodata/1/ina/6A-COMB.seq.\*  
4: /cgn2\_6/ptodata/1/ina/6B-COMB.seq.\*  
5: /cgn2\_6/ptodata/1/ina/PCTUS-COMB.seq.\*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	44	4.1	7218	1	US-08-232-463-14
2	41	3.8	7218	1	US-08-232-463-14
3	40.4	3.8	915	4	US-09-248-796A-6057
4	34	3.2	654	4	US-08-956-171E-613
5	34	3.2	654	4	US-08-781-986A-613
6	33.4	3.1	601	4	US-09-949-016-33921
7	33.4	3.1	601	4	US-09-949-016-133049
8	33.4	3.1	34068	4	US-09-949-016-15489
9	33.4	3.1	51711	4	US-09-949-016-12559
10	33	3.1	2127	4	US-09-252-991A-8192
11	33	3.1	2874	4	US-09-252-991A-8112
12	32.8	3.1	4403765	3	US-09-103-840A-2
13	32.2	3.0	2406	3	US-09-632-098-5
14	32.2	3.0	2406	4	US-10-177-308-5
15	32.2	3.0	2439	3	US-09-632-098-6
16	32.2	3.0	2439	4	US-10-177-308-6
17	31.6	3.0	601	4	US-09-949-016-121693
18	31.6	3.0	601	4	US-09-949-016-121694
19	31.6	3.0	601	4	US-09-949-016-121695
20	31.6	3.0	1104	4	US-09-902-540-6871
21	31.6	3.0	1141	4	US-09-806-708B-22
22	31.6	3.0	4019	4	US-09-902-540-583
23	31.6	3.0	15192	4	US-09-949-016-15143
24	31.4	2.9	4411529	3	US-09-103-840A-1
25	31	2.9	3842	4	US-09-976-594-279
26	30.6	2.9	412	3	US-08-961-083-111
27	30.6	2.9	412	4	US-09-536-784-111

c 28	30.6	2.9	894	4	US-09-540-236-1485	Sequence 1485, Ap
c 29	30.6	2.9	912	4	US-09-489-039A-3905	Sequence 3905, Ap
c 30	30.6	2.9	963	4	US-09-270-767-2582	Sequence 2582, Ap
c 31	30.6	2.9	963	4	US-09-270-767-17864	Sequence 17864, A
c 32	30.6	2.9	1288	4	US-09-620-312D-546	Sequence 546, App
c 33	30.6	2.9	2322	4	US-09-270-767-1512	Sequence 1512, Ap
c 34	30.6	2.9	2322	4	US-09-270-767-16794	Sequence 16794, A
c 35	30.6	2.9	2427	4	US-09-270-767-4937	Sequence 4937, Ap
c 36	30.6	2.9	2427	4	US-09-270-767-20219	Sequence 20219, A
c 37	30.6	2.9	6693	3	US-08-961-527-195	Sequence 195, App
c 38	30.6	2.9	49617	4	US-09-596-002-28	Sequence 28, Appl
c 39	30.6	2.9	250715	4	US-09-949-016-13294	Sequence 13294, A
c 40	30.4	2.8	2172	1	US-07-982-712-1	Sequence 1, Appl
c 41	30.4	2.8	7766	3	US-09-125-619-3	Sequence 3, Appl
c 42	30.4	2.8	7766	4	US-10-222-566-3	Sequence 3, Appl
c 43	30.4	2.8	7766	4	US-10-143-024A-3	Sequence 3, Appl
c 44	30.4	2.8	580073	4	US-08-545-528D-1	Sequence 1, Appl
c 45	30.2	2.8	306	4	US-09-513-999C-11186	Sequence 11186, A

ALIGNMENTS

RESULT 1  
US-08-232-463-14  
; Sequence 14, Application US/08232463  
; Patent No. 5670367  
; GENERAL INFORMATION:  
; APPLICANT: DORNER, F.  
; APPLICANT: SCHEIFLINGER, F.  
; APPLICANT: FALKNER, F. G.  
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS  
; NUMBER OF SEQUENCES: 52  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Foley & Hardner  
; STREET: 1800 Diagonal Road, Suite 500  
; CITY: Alexandria  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22313-0299  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/232,463  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/935,313  
; FILING DATE:  
; APPLICATION NUMBER: EP 91 114 300.6  
; FILING DATE: 26-AUG-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: BENT, Stephen A.  
; REGISTRATION NUMBER: 29,768  
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703)836-9300  
; TELEFAX: (703)683-4109  
; TELEX: 899149  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7218 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; CLONE: PTZgpt-Flb  
US-08-232-463-14

Query Match 4.1%; Score 44; DB 1; Length 7218;

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Best Local Similarity 2.3%; Pred. No. 0.0023;
Matches 8; Conservative 203; Mismatches 143; Indels 0; Gaps 0;
QY 542 CGGTTTACGTTCTCCGCGTTAGTCCAAATGCGACAGCAACGATCCAACTCCGCG 601
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
1093 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1152
QY 602 AAGCTCTGGCATCATCCACTGCGCTCAGCAACTTCTCGCGCAAGGATGATCCGATG 661
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
1153 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1212
QY 662 GGGCTATTCCATCAACGCAATGATTCGACGGTCGGAGCTTCTCTTGTATCCACAA 721
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
1213 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1272
QY 722 TCGTGTGCGCTCGAATCAGCTCAGTTATAGCTTTTCCGCGCGCGCTGCTCGCGGT 781
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
1273 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1332
QY 782 CGTCTTACGTCGCGCTGTTCAACAGGCTTCCACGATGCTAGACCACTCTTTACAAG 841
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
1333 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1392
QY 842 TGTGTTCCAGCAGCGGCTTGATCCGTTTCAGAGCTTAGCGGTTCGAATTTAT 895
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
1393 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1446
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RESULT 2
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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; IMMEDIATE SOURCE:
; CLONE: pTZgpt-F1s
US-08-232-463-14
Query Match 3.8%; Score 41; DB 1; Length 7218;
Best Local Similarity 2.2%; Pred. No. 0.024;
Matches 8; Conservative 205; Mismatches 150; Indels 0; Gaps 0;
QY 195 GACGAGCACCATTTGAAGAGAGCTTCGACTAAAGACCGTCACAGGAAGTTGAAGGAAG 254
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
1414 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1355
QY 255 AGGAGAGAGGATACGGATCGCTGCCACGTGCGCGTAGGATTTTCAATTAACCTCGAGA 314
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
1354 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1295
QY 315 GTTAGTTCACAAATCCGACGCGGAAACGATTTCGGTGGTTGTTGGAGAACGCTGAGCCGCG 374
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
1294 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1235
QY 375 GATTATACGCCGACGGGTACGGGAACGGTTCCCGCCATCCGCATGTCGGTTAACGGAAC 434
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
1234 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1175
QY 435 CTTAAAAATCCGACGACGACGAAACGCTGATCTGATATGGTGAAATCTGATGAAGAA 494
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
1174 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1115
QY 495 GAAACGTAACGACCTTCTAAACAGTACGTATATAGACATAAGCAGCGCTTCACAGCTTC 554
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
1114 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1055
QY 555 CTC 557
Db : : : : :
1054 CTC 1052
```

```
RESULT 3
US-09-248-796A-6057
; Sequence 6057, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248.796A
; PRIOR FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 6057
; LENGTH: 915
; TYPE: DNA
; ORGANISM: Candida albicans
US-09-248-796A-6057
Query Match 3.8%; Score 40.4; DB 4; Length 915;
Best Local Similarity 50.5%; Pred. No. 0.011;
Matches 98; Conservative 0; Mismatches 96; Indels 0; Gaps 0;
QY 727 GGTCCGTGGAATCAGCCCTCAGTTATTAGCTTTTCCCGCGCGCTGCTTCCGCGTGTCT 786
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
535 GTTCCGGAATGATGAAAGATTATTGGTAGTTCTTCTGCTGATGCTTCTGCTTCTCCA 594
QY 787 TACGTCCGCGCTGTTCAACAGCTTCCACGATGCTAGACCACTCCCTTTACAGTTCTT 846
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
595 TTCGTCAATTTCAATAGAAATGCTGGTATTAAAGGTTTACCATCAGTTATGAATGTTGT 654
QY 847 CCAAGCAGCGGCTTTGTATCCGTTTTCAGACGTTAGCGGTTTCGAATTTATCAAGACGACG 906
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QY 652 TATCCGATGTGGGCTATTCCAT 673  
|  
Db 275 AACGGTGCTTGGCCCTTTTGAT 254

RESULT 5  
 US-08-781-986A-613/c  
 ; Sequence 613, Application US/08781986A  
 ; Patent No. 6737248  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Charles Kunsch  
 ; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
 ; NUMBER OF SEQUENCES: 5255  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Human Genome Sciences, Inc.  
 ; STREET: 9410 Key West Avenue  
 ; CITY: Rockville  
 ; STATE: Maryland  
 ; COUNTRY: USA  
 ; ZIP: 20850

```

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch,
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/791,986A

```

CLASSIFICATION: 435  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30.446

```

, , REFERENCE/DOCKET NUMBER: P82489P
, , TELECOMMUNICATION INFORMATION:
, , TELEPHONE: (301) 309-8504
, , TELEFAX: (301) 309-8512
, , INFORMATION FOR SEQ ID NO: 613:
, , SEQUENCE CHARACTERISTICS:
, , LENGTH: 654 base pairs
, , TYPE: nucleic acid
, , STRANDEDNESS: double
, , TOPOLOGY: linear
, , US-08-781-986A-613

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Query Match	3.2%	Score 34;	DB 4;	Length 654;
Best Local Similarity	48.0%;	Pred. No. 1.3;		
Matches 97;	Conservative	0;	Mismatches 105;	Indels 0;
			Gaps	0;

Qy	472	ATCGGTGAAATCTGATGAAGAGAAACGTAACAGCCTTCTAACAGTGAGTATATAGAC	531
Db	455	ATTACTGCATTTGATTAAGACATAGAATAAAGAAATACGCCAAAATACTTGTTTAATTGCC	396
Qy	532	ATAAGCGACGCCGTTTCAGCTTCTCCCGGTTTAGCTCCAAATGGCCACGACGACACGATC	591
Db	395	TTAGGCATAGACTTTTTAGGGTCATCTGATTCACGACGTTTCTGCTACTACTTCTGTGA	336
Qy	592	CAACCTCCGCAAGCTCTGGCATCATCACTGTGGCTCAGCAACTTTCGCCGCAAGGAATG	651
Db	335	CCACCAACCGAANAATCCGGCGCACTAATAATACGCCTAAGAAACACGAGATACCAACA	276
Qy	652	TATCCGATGGGGCTATTCCAT	673
Db	275	AACGGTGCCTTGGCCTTTTGTAT	254

RESULT 6  
US-09-949-016-33921  
; Sequence 33921, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:

	Query Match	3.1%	Score 33.4	DB 4	Length 601	
	Best Local Similarity	53.4%	Pred. No. 1.9			
	Matches	70	Conservative	0	Mismatches	61
					Indels	0
					Gaps	0
Qy	29	TTGCAGGCAAGATCAA	ACTCTTAGAGCGCTGTGA	TCTAAACCATCATCAACGCGCTCGAA	88	
Db	100	TTGCTGTCCCTTGC	AAAGTCCATTTGGCACTAGTG	GCACAAGGCTCATCTCGTCTGAA	159	
Qy	89	ACGTGCGAAACTTCA	AGACCTTTTCCAAAGTAATCC	CACAGTGGAGTCTCGAGGCCCAAGGCGG	148	
Db	160	TCGTCACCTCTCA	AGACAGAAAAGGAGCCATT	CACACTGGGGCTGGCAGCCACGAGG	219	

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RESULT 9
US-09-949-016-12559/c
; Sequence 12559, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12559
; LENGTH: 51711
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-12559

```

Query Match 3.1%; Score 33.4; DB 4; Length 51711;  
Best Local Similarity 53.4%; Pred. No. 27;  
Matches 70; Conservative 0; Mismatches 61; Indels 0; Gaps 0;  
  
QY 29 TTGACGGCAAGATCAAACTCTAAGAGCGGTGATCTAACCATCATCAACGGCGTCAGAA 88  
|||||  
Db 34596 TTGCTGTCCCTTTGGAAGATCCATTTGCCACTGTGGCACAAGGCTCATCTCGTCTGAA 34537  
|||||  
  
QY 89 AGCTCGAAACTTCAAGACCTTCCCAAGTAAATCCCAAGTGAAGTCTCGAGCCCAAGGCGG 148  
|||||  
Db 34536 TCGTCACTCTGCAAGACAGAAGAGGCCATTCAACACTGGGGCTGCGACCCAGCAGGG 34477  
|||||  
  
QY 149 AGCCGGTGAATG 159  
|||||  
Db 34476 AGCAGGCGATG 34466  
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RESULT 10  
US-09-252-991A-8192  
; Sequence 8192, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 8192  
; LENGTH: 2127  
; TYPE: DNA  
; ORGANISM: Pseudomonas aeruginosa  
; NAME/KEY: unsure  
; FEATURE:  
; LOCATION: (291)  
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.  
US-09-252-991A-8192

Query Match 3.1%; Score 33; DB 4; Length 2127;  
Best Local Similarity 49.2%; Pred. No. 5.5;  
Matches 87; Conservative 0; Mismatches 90; Indels 0; Gaps 0;  
  
QY 111 CCAAGTAAATCCACAGTGAAGTCTCGAGCCCAAGCGGAGCGGTGATGCGGTCTGTTTC 170  
|||||  
Db 70 CCAAGCTGGAACAGCTGGAGGCTTATAGCAGACGACGCCACCGGAGAGGCGCTGAGCACC 129  
|||||  
  
QY 171 AATGCTTTAGTCCACCGTCTTCAGACGAGGACCATTTGAAGAGAGCTTCGACTAAGA 230  
|||||  
Db 130 AATACCGGCACCGCATCGCCGATTAACAGAACACCTTGAAGGCGCGGAGCGGACCG 189  
|||||  
  
QY 231 CCGTCACACGAGGTTGAAGAGAGGAGGAGGATACGGATGCTGCCAGTGTGC 287  
|||||  
Db 190 TCGTGTCTGAAGACTTCATCATGCGCGAGAGATCACCCACTTCGACCAACAGAGCGC 246  
|||||

RESULT 11  
US-09-252-991A-8112/c  
; Sequence 8112, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 8112  
; LENGTH: 2874  
; TYPE: DNA  
; ORGANISM: Pseudomonas aeruginosa  
; NAME/KEY: unsure  
; LOCATION: (2266)  
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.  
US-09-252-991A-8112

Query Match 3.1%; Score 33; DB 4; Length 2874;  
Best Local Similarity 49.2%; Pred. No. 6.5;  
Matches 87; Conservative 0; Mismatches 90; Indels 0; Gaps 0;  
  
QY 111 CCAAGTAAATCCACAGTGAAGTCTCGAGCCCAAGCGGAGCGGTGATGCGGTCTGTTTC 170  
|||||  
Db 2487 CCAAGCTGGAACAGCTGGAGGCTTATAGCAGACGACGCCACCGGAGAGGCGCTGAGCACC 2428  
|||||  
  
QY 171 AATGCTTTAGTCCACCGTCTTCGACAGGACCCATTGAAGAGAGCTTCGACTAAGA 230  
|||||  
Db 2427 AATACCGGCACCGCATCGCCGATTAACAGAACACCTTGAAGGCGCGGAGCGGACCG 2368  
|||||  
  
QY 231 CCGTCACACGAGGTTGAAGAGAGGAGGAGGATACGGATGCTGCCAGTGTGC 287  
|||||  
Db 2367 TCGTGTCTGAAGACTTCATCATGCGCGAGAGATCACCCACTTCGACCAACGAGCGC 2311  
|||||

RESULT 12  
US-09-103-840A-2  
; Sequence 2, Application US/09103840A  
; Patent No. 6294328  
; GENERAL INFORMATION:  
; APPLICANT: FLEISCHMAN, Robert D.  
; APPLICANT: WHITE, Owen R.  
; APPLICANT: FRASER, Claire M.  
; APPLICANT: VENTER, John C.  
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM  
; FILE REFERENCE: 24366-20007.00  
; CURRENT APPLICATION NUMBER: US/09/103,840A  
; CURRENT FILING DATE: 1998-06-24  
; NUMBER OF SEQ ID NOS: 2  
; SOFTWARE: Patent In Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 4403765  
; TYPE: DNA  
; ORGANISM: Mycobacterium tuberculosis  
; FEATURE:  
; OTHER INFORMATION: CDC 1551  
; OTHER INFORMATION: "n" bases at various positions throughout the sequence  
; OTHER INFORMATION: represent a, t, c or g  
US-09-103-840A-2

Query Match 3.1%; Score 32.8; DB 3; Length 4403765;  
Best Local Similarity 59.8%; Pred. No. 2.8e+02;  
Matches 55; Conservative 0; Mismatches 37; Indels 0; Gaps 0;  
  
QY 133 CTCGAGCCCAAGCGGAGCGGTGATGCGGTCTGTTTCAATGTCTTTAGCTCCACCGTCT 192  
|||||  
Db 3941480 CTGGCGGACAGGCGCGCGGGGTCTGGCGGGCGCGCGATTAACCCACCGCA 3941539  
|||||  
  
QY 193 TCGACAGACCCACCATTTGAAGAGAGCTTCGAC 224  
|||||  
Db 3941540 TCGGCGGACCGCGGTGACGCGGCGCACCGGC 3941571  
|||||

RESULT 13  
US-09-632-098-5  
; Sequence 5, Application US/09632098  
; Patent No. 6420154



Db 1136 AYCCNTTYCCNMGNGTNTTYMSNGCNTGYWSNMGMNCARYTNMGNCNTTYTTYMGNA 1195  
QY 817 ATGGCTAGACCACTCCTTTACAAAGTTGTTCCAGCAGCGGCTTTGTATCCGTTTCAGAC 876  
Db 1196 ARGNGNGNGNCNTGYTTNWSNAAAYGCNCNGAYCCNGNYTNCNGTNCNCNCNGCY 1255  
QY 877 GTTAGCGGTTTGAATTATCAAGAGCGACGTCGGTTATGGCTCCGAGCTCAAGCTCAGGC 936  
Db 1256 TNTGYGNAAYGGNTTYGTNGARGCNGGNGARGARTGYGAVTGYGGNCNGGNCARGART 1315  
QY 937 GTAACACCGGTAGTTTCATCGTCAT 962  
Db 1316 GYMNGAYTTNTGYTGYTYGCNCAY 1341

Search completed: July 9, 2005, 12:58:47  
Job time : 207.141 secs

**This Page Blank (uspto)**



GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 9, 2005, 12:39:30 ; Search time 712.441 Seconds  
(without alignments)  
9438.079 Million cell updates/sec

Title: US-09-938-842A-1034

Perfect score: 1071

Sequence: 1 atggcgacaattcagaagct.....cacggatcgaaccactga 1071

Scoring table: IDENTITY\_NUC  
Gapop 10.0, Gapext 1.0

Searched: 6330943 seqs, 3139157217 residues

Total number of hits satisfying chosen parameters: 12661886

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:\*\*

- 1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq.\*
- 2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq.\*
- 3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq.\*
- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq.\*
- 5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq.\*
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- 8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq.\*
- 9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq.\*
- 10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq.\*
- 11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq.\*
- 12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq.\*
- 13: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq.\*
- 14: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq.\*
- 15: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq.\*
- 16: /cgn2\_6/ptodata/2/pubpna/US10D\_PUBCOMB.seq.\*
- 17: /cgn2\_6/ptodata/2/pubpna/US10E\_PUBCOMB.seq.\*
- 18: /cgn2\_6/ptodata/2/pubpna/US10F\_PUBCOMB.seq.\*
- 19: /cgn2\_6/ptodata/2/pubpna/US10G\_PUBCOMB.seq.\*
- 20: /cgn2\_6/ptodata/2/pubpna/US10H\_PUBCOMB.seq.\*
- 21: /cgn2\_6/ptodata/2/pubpna/US10I\_PUBCOMB.seq.\*
- 22: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq.\*
- 23: /cgn2\_6/ptodata/2/pubpna/US11A\_PUBCOMB.seq.\*
- 24: /cgn2\_6/ptodata/2/pubpna/US11\_NEW\_PUB.seq.\*
- 25: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq.\*
- 26: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1071	100.0	1071	9	US-09-938-842A-1034
2	1071	100.0	1071	11	US-09-938-842A-1034
C 3	448	41.8	460	9	US-09-924-035A-502
C 4	439	41.0	453	9	US-09-770-444-615
5	228.6	21.3	1847	18	US-10-424-599-109777
6	185	17.3	185	9	US-09-770-696-257
7	183.6	17.1	1090	18	US-10-425-114-8512
					Sequence 1034, Ap
					Sequence 1034, Ap
					Sequence 502, App
					Sequence 615, App
					Sequence 109777, App
					Sequence 257, App
					Sequence 8512, Ap

8	157.8	14.7	1176	18	US-10-425-114-14614
9	145.2	13.6	1113	18	US-10-424-599-43464
10	144.8	13.5	1616	20	US-10-739-930-3143
11	138	12.9	1594	18	US-10-424-599-63594
12	129	12.0	1519	18	US-10-425-114-14605
13	129	12.0	1728	10	US-09-934-455-169
14	129	12.0	1728	17	US-10-225-068-165
15	129	12.0	1728	17	US-10-374-780A-219
16	129	12.0	1728	21	US-10-225-068-165
17	127.4	11.9	671	17	US-10-374-780A-1390
18	126	11.8	587	19	US-10-021-323-15482
19	124.6	11.6	1231	10	US-09-934-455-137
20	124.6	11.6	1231	17	US-10-225-068-245
21	124.6	11.6	1231	17	US-10-302-267-61
22	124.6	11.6	1231	17	US-10-374-780A-2425
23	124.6	11.6	1231	18	US-10-412-699B-553
24	124.6	11.6	1231	21	US-10-225-068-245
25	124.6	11.6	1540	18	US-10-425-114-12989
26	124.4	11.6	1440	19	US-10-767-795-4247
27	122.8	11.5	938	19	US-10-767-795-3984
28	121.6	11.4	1604	15	US-10-295-403-147
29	121.6	11.4	1604	18	US-10-412-699B-551
30	119.8	11.2	587	18	US-10-425-114-30404
31	119.8	11.2	668	18	US-10-425-114-27401
32	119.8	11.2	678	20	US-10-425-115-31245
33	118	11.0	490	10	US-09-770-961-675
34	117.8	11.0	1635	19	US-10-437-963-40920
35	117.4	11.0	390	11	US-09-732-627A-4287
36	113.8	10.6	1260	19	US-10-437-963-26590
37	113.2	10.6	600	19	US-10-767-795-3868
38	113	10.6	1322	19	US-10-437-963-12388
39	111.8	10.4	563	19	US-10-767-701-117
40	111.4	10.4	1608	18	US-10-425-114-9860
41	111.4	10.4	1830	18	US-10-424-599-79271
42	111.2	10.4	422	9	US-09-770-423-332
43	111.2	10.4	881	18	US-10-425-114-14725
44	111.2	10.4	1009	10	US-09-934-455-133
45	111.2	10.4	1009	15	US-10-295-403-145

#### ALIGNMENTS

#### RESULT 1

US-09-938-842A-1034  
; Sequence 1034, Application US/0938842A  
; Patent No. US20020160378A1  
; GENERAL INFORMATION:  
; APPLICANT: Harper, Jeff  
; APPLICANT: Kreps, Joel  
; APPLICANT: Wang, Xun  
; APPLICANT: Zhu, Tong  
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING  
; FILE REFERENCE: SCRIPI300-3  
; CURRENT APPLICATION NUMBER: US/09/938,842A  
; CURRENT FILING DATE: 2001-08-24  
; PRIOR APPLICATION NUMBER: US 60/227,866  
; PRIOR FILING DATE: 2000-08-24  
; PRIOR APPLICATION NUMBER: US 60/264,647  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/300,111  
; PRIOR FILING DATE: 2001-06-22  
; NUMBER OF SEQ ID NOS: 5379  
; SEQ ID NO 1034  
; LENGTH: 1071  
; TYPE: DNA  
; ORGANISM: Arabidopsis thaliana  
US-09-938-842A-1034

Query Match 100.0%; Score 1071; DB 9; Length 1071;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 1071; Conservative 0; Mismatches 0; Indels 0; Gaps 0;





Db 393 ATTCCATCAACGCAATGATTCGACGGTCGAGCTTCTTCTTGATTCACAAATCGCT 334  
QY 727 GGTCCGTCGAATCAGCCTCAGTTATTAAGCTTTTCCGCGCGCTGCTTCGCGCTCGTCT 786  
Db 333 GGTCCGTCGAATCAGCCTCAGTTATTAAGCTTTTCCGCGCGCGC-NNNTCCGCGCTCGTCT 275  
QY 787 TACGTCGCGCTGTTCAACAGAGCTTCCAGATGGCTAGACCACTCCTTTACAAGTTGTT 846  
Db 274 TACGTCGCGCTGTTCAACAGAGCTTCCAGATGGCTAGACCACTCCTTTACAAGTTGTT 215  
QY 847 CCAAGCAGCGGCTTTGTATTCCTGTTTCAGACGTTAGCGGTTTGAATTTATCAAGAGCGAG 906  
Db 214 CCAAGCAGCGGCTTTGTATTCCTGTTTCAGACGTTAGCGGTTTGAATTTATCAAGAGCGAG 155  
QY 907 TCGGTTATGGCTCCGAGCTCAAGCTCAGCGGTAAACACCGGTAGTTCATCGTCAATGCA 966  
Db 154 TCGGTTATGGCTCCGAGCTCAAGCTCAGCGGTAAACACCGGTAGTTCATCGTCAATGCA 95  
QY 967 ACAACAGCAGCAGCAGCTGAGAGCTTCTCCCTAGAGATATACGAGAAACAAGAGCTT 1026  
Db 94 ACAACAGCAGCAGCAGCTGAGAGCTTCTCCCTAGAGATATACGAGAAACAAGAGCTT 35  
QY 1027 CACCAAGTTCATGAGCACCACACAGCAGCGTCAAT 1060  
Db 34 CACCAAGTTCATGAGCACCACACAGCAGCGTCAAT 1

## RESULT 5

US-10-424-599-109777  
; Sequence 109777, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; PRIOR FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 109777  
; LENGTH: 1847  
; TYPE: DNA  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_70141C.1  
US-10-424-599-109777

Query Match 21.3%; Score 228.6; DB 18; Length 1847;  
Best Local Similarity 62.7%; Pred. No. 5.5e-67;  
Matches 398; Conservative 0; Mismatches 219; Indels 18; Gaps 2;  
QY 136 GAGCCCAAGCGGAGCGCGGTGATCGCGCTGTTTCAATGCTTTAGTCTCCACCGCTTCG 195  
Db 329 GTGCACGTGCCGCGGGGATGCTATGTCCATGTCAAAGCTCTGGCCCGAGGCCCAAGCC 388  
QY 196 ACAGGACCAACCAATGAAGAGAGCTTCGACTAAAGACCGCTCACCAAGAGTTGAAGGAAGA 255  
Db 389 CAGGCCCAACCAAAAGCGGCGCTCCACCAAGACCGCCACCAAGTAGAGGGCGA 448  
QY 256 GGGAGAAGATACGATGCTGCCAGCTGTGGCGGTAGATTTTCAATTAATCTGAGAG 315  
Db 449 GCGAAGAGGATCCGAATGCCGCCACGTGTGGCGGAGGATCTTCAGCTGACCCGAGAG 508  
QY 316 TTAGTCTCAAAATCCGAGCGGCAACAGATTCCGTGTTTGGAGAACGCTGAGCGGCG 375  
Db 509 CTCGGTCAATAATCCGAGCGGCAACCAATCCGTTGGCTCTCGAGCAGCGCGAGCCGCC 568  
QY 376 ATTATAGCGGCACCGGCTACGGGAACGGTTCCCGGCATCGGCATGTCCGTTAAACGGAACC 435

Db 569 ATCATCGCGGCCACCGCACCGCACAGTCCCGCCATCGCGATCGTCCGTCATCGAAGC 628  
QY 436 TTAAAAATCCCGACGACGACGACGACGCTGATTTCTGATATGGGTGAAAAATCTGATGAAGAG 495  
Db 629 TTAAGATTCGACGACCACTTCCGATCAAGAAACCGGAGAGAGCCGCCGAGAGGAAG 688  
QY 496 AAAAGTAAACGACCTTCTAAACAGTGAGTATATAGACATAA--GGAGCGCGTTTCAGCT 552  
Db 689 AAGCGCAACGACCGCGGAATAGCGCTTACGTGGACATAAAACGGCGCGCGTTTCGGTC 748  
QY 553 TCCTCCGCTTAGCTCCAAATTCGCCACGACGACGACGATCCCAACCTCCGCAAGCTCTGGCA 612  
Db 749 TCGGCGGGCTCGCAAGCTCTATTATTAATTAATTAACCAAAAGCAGCAGCAGATG 808  
QY 613 TCATCCATGTGGCTCAGCAACTTC-----TGCCGCAAGGAATGTATCCG 657  
Db 809 ACGACACGATGGCAATTCGCAACATACAGCAATTCGTTTCCGCAAGGAATGGTTCCC 868  
QY 658 ATGTGGGCTATTCCATCAACGCAATGATTCGAGCGTCCGAGCTTCTTCTTCTGATTCGA 717  
Db 869 GTGTGGGCTATCCCTTCAACGCGCTCGTCCGCTCGAGGAGCTTTTTTTGTGTTCTT 928  
QY 718 CAAATCGCTGCTCGCTCGAATCAGCTCAGTTATT 752  
Db 929 CAAAGCGGCTGCTTTCAGCATCAACCTCAGTTT 963

## RESULT 6

US-09-770-696-257  
; Sequence 257, Application US/09770696  
; Patent No. US20010044940A1  
; GENERAL INFORMATION:  
; APPLICANT: Gorlach, Jörn  
; APPLICANT: An, Yong-Qiang  
; APPLICANT: Hamilton, Carol M.  
; APPLICANT: Price, Jennifer L.  
; APPLICANT: Raines, Tracy M.  
; APPLICANT: Yu, Yang  
; APPLICANT: Rameaka, Joshua G.  
; APPLICANT: Page, Amy  
; APPLICANT: Matthew, Abraham V.  
; APPLICANT: Ledford, Brooke L.  
; APPLICANT: Woesner, Jeffrey P.  
; APPLICANT: Haas, William David  
; APPLICANT: Garcia, Carlos A.  
; APPLICANT: Krieger, Maja  
; APPLICANT: Slader, Ted  
; APPLICANT: Davis, Keith R.  
; APPLICANT: Allen, Keith  
; APPLICANT: Hoffman, Neil  
; APPLICANT: Hurban, Patrick  
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis  
; FILE OF INVENTION: thaliana  
; FILE REFERENCE: 2031US (PARA-020PRV)  
; CURRENT APPLICATION NUMBER: US/09/770,696  
; PRIOR FILING DATE: 2001-01-26  
; PRIOR APPLICATION NUMBER: 60/178,278  
; PRIOR FILING DATE: 2000-01-27  
; NUMBER OF SEQ ID NOS: 911  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 257  
; LENGTH: 185  
; TYPE: DNA  
; ORGANISM: Arabidopsis thaliana  
US-09-770-696-257

Query Match 17.3%; Score 185; DB 9; Length 185;  
Best Local Similarity 100.0%; Pred. No. 1.5e-52;  
Matches 185; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 35 GCAAGATCAAACTCTAAGAGCCGTTGATCTTAACCATCATCAACGGGCTCAGAAACGTCG 94  
Db 1 GCAAGATCAAACTCTAAGAGCCGTTGATCTTAACCATCATCAACGGGCTCAGAAACGTCG 60

Qy	95	AAACTTCAAGACCTTTCCGAAGTAATAATCCCAAGTCAGTCTTCGAGCCCAAGCGGAGCCGG	154
Db	61	AAACTTCAAGACCTTTCCGAAGTAATAATCCCAAGTCAGTCTTCGAGCCCAAGCGGAGCCGG	120
Qy	155	TGATGCCGTCGTTTTCAATGTCTTTAGCTTCACCGCTTTTCGACAGGACCAACCATTTGAAGA	214
Db	121	TGATGCCGTCGTTTTCAATGTCTTTAGCTTCACCGCTTTTCGACAGGACCAACCATTTGAAGA	180
Qy	215	GAGCT	219
Db	181	GAGCT	185

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RESULT 7
US-10-425-114-8512
; Sequence 8512, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kowalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 8512
; LENGTH: 1090
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: 700756889_FLI
US-10-425-114-8512

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Query Match	17.1%;	Score 183.6;	DB 18;	Length 1090;
Best Local Similarity	63.7%;	Pred. No. 1.3e-51;		
Matches 320;	Conservative 0;	Mismatches 164;	Indels 18;	Gaps 2
QY	269	GGATGCTCCACAGCTGTCGGGCTAGGATTTTTCATTAACCTCGAGAGCTTAGGTACACAAAT	328	
DB	1	GAATGCCCGCACAGTGTGCGGCGAGATCTTCCAGCTGACCCGAGAGCTCGGTCAATAAT	60	
QY	329	CCGACGGCGAAACGATTCGGTGGTTGTTGGAGAACGCTGAGCGCGGCAGATTATAGCCGCCA	388	
DB	61	CCGACGGCGAAACCATCCGGTGGCTCTCGAGACGCGGAGCCGCCATCATCCGCCCA	120	
QY	389	CGGGTACGGGAACGGTTCCCGGCATCGCCATGTGCGTTTACGGNACTTAAAAATCCCGA	448	
DB	121	CCGGCACCGGCACAGTCCCGGCATCGCGATGTCCGTCAATGGAAAGTTTAAAGATTCGA	180	
QY	449	CGACGACGAACGCTGATTCGATGCGTGAATAATCTGATGACAGAGAAACGTAACAGAC	508	
DB	181	CCACTTACCTTCGATCAAGNACCCGAGAGCGCCCGGAGAGAGAGCGCAACAGAC	240	
QY	509	CTTCTAACAGTGAATATAGACATAA---CGCAGCGCGTTTCAGCTTCTCCGGTTTAG	565	
DB	241	CCGCGAATAGCGCTACGTGGACATAAACGGCGCGCGGTTTCGGTCTCGCGCGGCTCG	300	
QY	566	CTTCCAATGCCACGAGCAACGATCCCAACTCCGGAAGCTCTGGGCATCATCCACTGTGG	625	
DB	301	CAAGCTCTAATTAATAATAATACCAAAACGAGCAACGACGATGACGACAAACGATGG	360	
QY	626	CTCAGCAACTTC-----TGCCGCAAGGAATGTTATCCGATGTGGGCTATTTC	670	
DB	361	CAATTCGCGAACATACAGCAATTCGGTTGCCGCAAGGAATGGTTCCGGTGTGGGCCATCC	420	
QY	671	CAATCAAAACGAATGATTCGACGGTCCGAGCTTTCTTCTTGAATTCACAAATCGCTGGTC	730	

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Db      421  CTTCAACGCCGTGTTCCGCGCTCAGAGAGCTTTTTTTTGTGGTTCTCTCAACGGCGTCGT 480

Qy      731  CGTCGAATCAGCCTCAGTTATT 752
          ||||| ||||| ||||| |||||
Db      481  TTCAGCATCAACCTCAGTTTTT 502

RESULT 8
US-10-425-114-14614
; Sequence 14614, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 14614
; LENGTH: 1176
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: Clone ID: L17B23-065-D10_FLI
US-10-425-114-14614

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Query Match	14.7%	Score 157.8;	DB 18;	Length 1176;
Best Local Similarity	75.9%;	Pred. NO. 1e-42;		
Matches 195;	Conservative 0;	Mismatches 62;	Indels 0;	Gaps 0;
Qy	195	GACAGGACCACCATTTGAAGACAGCTTCGACTAAAGACCGTCAACAGAGCTTGAAGGAAG	254	
Db	278	GACTAAACCGGCTCCGAAGAGACCGCACTTCTTAAGACCGTCAACAGAAAGTGAAGGACG	337	
Qy	255	AGGAGAGAAGGATACCGGATGCTGCCACGTGTGCGGCTAGGATTTTTCAATTAACTCGGAA	314	
Db	338	AGTGTGGAGGATCCGAATGCCGGCGGGTTGCGTGCTCTCGGGTCTTTCAATTGACCCGTGA	397	
Qy	315	GTTTAGGTCAACAATCCGACGGCGAAAACGATTCGGTGGTGTGTGGAGAAACGCTGAGCCGGC	374	
Db	398	ACTTGGTCAACAATCCGACGGAGAAAACGATACGGTGGTATTGGAAACGNGCTGAACCGGC	457	
Qy	375	GATTATAGCCGCCACGGGTACGGGAAACGGTTTCCGCCCATCGCATGTCCGTTTAACGGAAAC	434	
Db	458	GATAAATTGAAGCAACCGGAAACCGGAACTGTACCGGCTATTGCTGTATCCGTTTAACGGAAAC	517	
Qy	435	CTTAAAAATCCCGACGA	451	
Db	518	TTTAAAAATCCCGACGA	534	

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RESULT 9
US-10-424-599-43464
; Sequence 43464, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 43464

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Db 729 CAGTCGTCGGTCTGCGCCGGTT 752

## RESULT 12

US-10-425-114-14605  
; Sequence 14605, Application US/10425114  
; Publication No. US2004003488A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jingdong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E.  
; APPLICANT: Tabaska, Jack E.  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(5313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 14605  
; LENGTH: 1519  
; TYPE: DNA  
; ORGANISM: Arabidopsis thaliana  
; FEATURE:  
; OTHER INFORMATION: Clone ID: LIB23-047-E8\_FLI  
US-10-425-114-14605

Query Match 12.0%; Score 129; DB 18; Length 1519;

Best Local Similarity 71.0%; Pred. No. 9.7e-33;

Matches 171; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY	189	GTCTTCGACAGACCACTTAAGAGAGCTTCGACTAAGACCGTCACACGAGTTGA	248
Db	68	GGCAGCTAAAAGCCACCGTTGAAACGAGCGTCGACGAAAGCCACACACGAAAGTAGA	127
QY	249	AGGAGAGGGAGAGATACGATGCTGCCACGCTGCGGTAGGATTTTCAATTAAAC	308
Db	128	CGGAGAGGGAGAGATTAAGNTGCGCGGTATGTGACGATGGGTTTTCACGCTAAC	187
QY	309	TCGAGAGTTAGTCAAAATCCGACGGGAAACGATTCGGTGGTTGTTGGAGAACGCTGA	368
Db	188	GGGAGAGCTAGGTCAATAATCCGACGGTGAGACAAATAGATGGCTCTTCAACAAGCTGA	247
QY	369	GCCGCGGATTATAGCGGACCGGTACGGGAACGGTTCCGCCATCGCATGTCGGTTAA	428
Db	248	ACCATCTGTAATCGCGCCACCGGAACCGGAACAATCCCGCGAATTTCACTTCTTTAAA	307
QY	429	C 429	
Db	308	C 308	

## RESULT 13

US-09-934-455-169  
; Sequence 169, Application US/09934455  
; Publication No. US20030121070A1  
; GENERAL INFORMATION:  
; APPLICANT: Adam, Luc  
; APPLICANT: Creelman, Robert  
; APPLICANT: Dubell, Arnold  
; APPLICANT: Heard, Jacqueline  
; APPLICANT: Keddle, James  
; APPLICANT: Pilgrim, Marsha  
; APPLICANT: Ratcliffe, Oliver  
; APPLICANT: Reuber, Lynne  
; APPLICANT: Riechmann, Jose Luis  
; APPLICANT: Yu, Guo-Liang  
; APPLICANT: Pineda, Omaira  
; TITLE OF INVENTION: Genes for Modifying Plant Traits IV  
; FILE REFERENCE: MBI-0025  
; CURRENT APPLICATION NUMBER: US/09/934,455

; CURRENT FILING DATE: 2001-08-22  
; PRIOR FILING DATE: 60/227439  
; PRIOR FILING DATE: 2000-08-22  
; PRIOR APPLICATION NUMBER: MBI-0022  
; PRIOR FILING DATE: 2001-11-16  
; PRIOR APPLICATION NUMBER: MBI-0023  
; PRIOR FILING DATE: 2001-04-17  
; NUMBER OF SEQ ID NOS: 516  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 169  
; LENGTH: 1728  
; TYPE: DNA  
; ORGANISM: Arabidopsis thaliana  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (106)..(1575)  
; OTHER INFORMATION: G1064  
US-09-934-455-169

Query Match 12.0%; Score 129; DB 10; Length 1728;

Best Local Similarity 71.0%; Pred. No. 1e-32;

Matches 171; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY	189	GTCTTCGACAGACCACTTAAGAGAGCTTCGACTAAGACCGTCACACGAGTTGA	248
Db	420	GGCAGCTAAAAGCCACCGTTGAAACGAGCGTCGACGAAAGCCACACACGAAAGTAGA	479
QY	249	AGGAGAGGGAGAGATACGATGCTGCCACGCTGCGGTAGGATTTTCAATTAAAC	308
Db	480	CGGAGAGGGAGAGATTAAGNTGCGCGGTATGTGACGATGGGTTTTCACGCTAAC	539
QY	309	TCGAGAGTTAGTCAAAATCCGACGGGAAACGATTCGGTGGTTGTTGGAGAACGCTGA	368
Db	540	CGGAGAGCTAGGTCAATAATCCGACGGTGAGACAAATAGATGGCTCTTTCACAGCTGA	599
QY	369	GCCGCGGATTATAGCGGACCGGTACGGGAACGGTTCCGCCATCGCATGTCGGTTAA	428
Db	600	ACCATCTGTAATCGCGCCACCGGAACCGGAACAATCCCGCGAATTTCACTTCTTTAAA	659
QY	429	C 429	
Db	660	C 660	

## RESULT 14

US-10-225-068-165  
; Sequence 165, Application US/10225068  
; Publication No. US20030217383A1  
; GENERAL INFORMATION:  
; APPLICANT: Mendel Biotechnology, Inc.  
; APPLICANT: Reuber, T. Lynne  
; APPLICANT: Riechmann, Jose Luis  
; APPLICANT: Heard, Jacqueline E.  
; APPLICANT: Jiang, Cai-Zhong  
; APPLICANT: Adam, Luc J.  
; APPLICANT: Dubell, Arnold T.  
; APPLICANT: Ratcliffe, Oliver  
; APPLICANT: Pineda, Omaira  
; APPLICANT: Yu, Guo-Liang  
; APPLICANT: Broun, Pierre E.  
; TITLE OF INVENTION: STRESS-RELATED POLYNUCLEOTIDES AND  
; TITLE OF INVENTION: POLYPEPTIDES IN PLANTS  
; FILE REFERENCE: 51442002040  
; CURRENT APPLICATION NUMBER: US/10/225,068  
; CURRENT FILING DATE: 2002-08-09  
; PRIOR APPLICATION NUMBER: 60/310,847  
; PRIOR FILING DATE: 2001-08-09  
; PRIOR APPLICATION NUMBER: 60/336,049  
; PRIOR FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/338,692  
; PRIOR FILING DATE: 2001-12-11  
; PRIOR APPLICATION NUMBER: 10/171,468  
; PRIOR FILING DATE: 2002-06-14

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/ NUMBER OF SEQ ID NOS: 246
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 165
/ LENGTH: 1728
/ TYPE: DNA
/ ORGANISM: Arabidopsis thaliana
/ NAME/KEY: CDS
/ LOCATION: (106)...(1575)
US-10-225-068-165

Query Match      12.0%; Score 129; DB 17; Length 1728;
Best Local Similarity 71.0%; Pred. No. 1e-32;
Matches 171; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 189 GTCTTCGACGAGCACCACCATTTGAAGAGAGCTTCGACTAAAGACCGTCAACAGAGTTGA 248
Db 420 GGCAGCTAAAGACCCACCGTTGAAACCGAGCGTCCGAGAAAGACCGACACACGAAAGTAGA 479

QY 249 AGGAGAGGAGAGAGATACGATGCTGCCACGTTGCGGCTAGGATTTTCAATTAAAC 308
Db 480 CGGAGAGGAGAGAGATTAAGATGCCGCGTTATGTGCAGCTAGGGTTTTTCAGCTAAC 539

QY 309 TCGAGAGTTAGTTCACAAATCCGACGGGACCGATTCGGTGGTGGAGAACGCTGA 368
Db 600 ACCATCTGTAATCGCGCCACCGGAAACCGGAAACAATCCCGGGAATTTCACTTCTTTAAA 659

QY 429 C 429
Db 660 C 660

RESULT 15
US-10-374-780A-219
/ Sequence 219, Application US/10374780A
/ Publication No. US20040019927A1
/ GENERAL INFORMATION:
/ APPLICANT: Sherman, Bradley K
/ APPLICANT: Riechmann, Jose Luis
/ APPLICANT: Jiang, Cai-Zhong
/ APPLICANT: Heard, Jacqueline E
/ APPLICANT: Haake, Volker
/ APPLICANT: Creelman, Robert A
/ APPLICANT: Ratcliffe, Oliver
/ APPLICANT: Adam, Luc J
/ APPLICANT: Reuber, T. Lynne
/ APPLICANT: Keddle, James
/ APPLICANT: Broun, Pierre E
/ APPLICANT: Pilgrim, Marsha L
/ APPLICANT: Dubell III, Arnold T
/ APPLICANT: Pineda, Omaira
/ APPLICANT: Yu, Guo-Liang
/ TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
/ FILE REFERENCE: MBI-0047 CIP
/ CURRENT APPLICATION NUMBER: US/10/374,780A
/ CURRENT FILING DATE: 2003-02-25
/ PRIOR APPLICATION NUMBER: 09/837,944
/ PRIOR FILING DATE: 2001-04-18
/ PRIOR APPLICATION NUMBER: 60/310,847
/ PRIOR FILING DATE: 2001-08-09
/ PRIOR APPLICATION NUMBER: 09/934,455
/ PRIOR FILING DATE: 2001-08-22
/ PRIOR APPLICATION NUMBER: 60/336,049
/ PRIOR FILING DATE: 2001-11-19
/ PRIOR APPLICATION NUMBER: 60/338,692
/ PRIOR FILING DATE: 2001-12-11
/ PRIOR APPLICATION NUMBER: 10/171,468
/ PRIOR FILING DATE: 2002-06-14
/ PRIOR APPLICATION NUMBER: 10/225,066
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/ PRIOR FILING DATE: 2002-08-09
/ PRIOR APPLICATION NUMBER: 10/225,067
/ PRIOR FILING DATE: 2002-08-09
/ PRIOR APPLICATION NUMBER: 10/225,068
/ PRIOR FILING DATE: 2002-08-09
/ NUMBER OF SEQ ID NOS: 2906
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 219
/ LENGTH: 1728
/ TYPE: DNA
/ ORGANISM: Arabidopsis thaliana
/ FEATURE:
/ OTHER INFORMATION: G1064
US-10-374-780A-219

Query Match      12.0%; Score 129; DB 17; Length 1728;
Best Local Similarity 71.0%; Pred. No. 1e-32;
Matches 171; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 189 GTCTTCGACGAGCACCACCATTTGAAGAGAGCTTCGACTAAAGACCGTCAACAGAGTTGA 248
Db 420 GGCAGCTAAAGACCCACCGTTGAAACCGAGCGTCCGAGAAAGACCGACACACGAAAGTAGA 479

QY 249 AGGAGAGGAGAGAGATACGATGCTGCCACGTTGCGGCTAGGATTTTCAATTAAAC 308
Db 480 CGGAGAGGAGAGAGATTAAGATGCCGCGTTATGTGCAGCTAGGGTTTTTCAGCTAAC 539

QY 309 TCGAGAGTTAGTTCACAAATCCGACGGGACCGATTCGGTGGTGGAGAACGCTGA 368
Db 540 GCGAGAGCTAGGTTCATTAATCCGACGGTGAACAATAGAGTGGCTTCTTCAACAAGCTGA 599

QY 369 GCCGCGATTTATAGCCGCCACGGGTACGGGAAACGGTTCCCGCCATCGCCATGTCGGTTAA 428
Db 600 ACCATCTGTAATCGCGCCACCGGAAACCGGAAACAATCCCGCGGAATTTCACTTCTTTAAA 659

QY 429 C 429
Db 660 C 660

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OM nucleic - nucleic search, using sw model

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Gapop 60.0 , Gapext 60.0

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Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0  
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Post-processing: Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20	1.9	78810	4	US-09-949-016-16198 Sequence 16198, A
2	19	1.8	2556	4	US-09-489-039A-6112 Sequence 6112, Ap
3	19	1.8	34094	4	US-09-292-034-1 Sequence 1, Appli
4	19	1.8	168394	4	US-09-949-016-13002 Sequence 13002, A
5	18	1.7	372	4	US-09-902-540-5948 Sequence 5948, Ap
6	18	1.7	1527	4	US-09-489-039A-716 Sequence 716, App
7	18	1.7	1720	4	US-09-902-540-198 Sequence 198, App
8	18	1.7	4261	4	US-09-976-594-3 Sequence 3, Appli
9	18	1.7	35688	4	US-09-949-016-16873 Sequence 16873, A
10	18	1.7	94879	4	US-09-949-016-12101 Sequence 12101, A
11	18	1.7	94884	4	US-09-949-016-13393 Sequence 13393, A
12	18	1.7	162450	3	US-09-345-882-1 Sequence 1, Appli
13	18	1.7	784019	4	US-09-949-016-14033 Sequence 14033, A
14	18	1.7	828152	4	US-09-949-016-12777 Sequence 12777, A
15	18	1.7	1664976	4	US-08-916-421B-1 Sequence 1, Appli
16	18	1.7	1664976	4	US-09-692-570-1 Sequence 1, Appli
17	17	1.6	318	4	US-09-513-999C-24082 Sequence 24082, A
18	17	1.6	338	4	US-09-640-211A-1834 Sequence 1834, Ap
19	17	1.6	396	4	US-09-248-796A-12761 Sequence 12761, A
20	17	1.6	447	4	US-09-328-352-186 Sequence 186, App
21	17	1.6	494	4	US-09-270-767-454 Sequence 454, App
22	17	1.6	494	4	US-09-270-767-15736 Sequence 15736, A
23	17	1.6	516	1	US-08-510-878-2 Sequence 2, Appli
24	17	1.6	601	4	US-09-949-016-178644 Sequence 178644, A
25	17	1.6	601	4	US-09-949-016-178645 Sequence 178645, A
26	17	1.6	601	4	US-09-949-016-178646 Sequence 178646, A
27	17	1.6	601	4	US-09-949-016-184362 Sequence 184362, A

28	17	1.6	601	4	US-09-949-016-184363 Sequence 184363, A
29	17	1.6	675	4	US-09-640-211A-459 Sequence 459, App
30	17	1.6	748	1	US-08-510-878-3 Sequence 3, Appli
31	17	1.6	779	4	US-09-270-767-13769 Sequence 13769, A
32	17	1.6	864	4	US-09-976-594-1054 Sequence 1054, Ap
33	17	1.6	864	4	US-09-919-039-385 Sequence 385, App
34	17	1.6	867	4	US-09-252-991A-6878 Sequence 6878, Ap
35	17	1.6	882	4	US-09-252-991A-6792 Sequence 6792, Ap
36	17	1.6	900	4	US-09-050-739-59 Sequence 59, Appli
37	17	1.6	1251	4	US-09-614-912-81 Sequence 81, Appli
38	17	1.6	1290	4	US-09-902-540-9103 Sequence 9103, Ap
39	17	1.6	1353	2	US-08-611-280-1 Sequence 1, Appli
40	17	1.6	1353	3	US-09-195-940-1 Sequence 1, Appli
41	17	1.6	1353	3	US-09-562-466-1 Sequence 1, Appli
42	17	1.6	1636	4	US-09-614-912-69 Sequence 69, Appli
43	17	1.6	1758	4	US-09-489-039A-3108 Sequence 3108, Ap
44	17	1.6	1960	4	US-09-553-867A-42 Sequence 42, Appli
45	17	1.6	3758	3	US-08-323-477-1 Sequence 1, Appli

ALIGNMENTS

RESULT 1  
US-09-949-016-16198  
; Sequence 16198, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 16198  
; LENGTH: 78810  
; TYPE: DNA  
; ORGANISM: Human  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)..(78810)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-949-016-16198

Query Match 1.9%; Score 20; DB 4; Length 78810;  
Best Local Similarity 100.0%; Pred. No. 4.2;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1029 CCAGTTCATGAGCACCACAA 1048  
DB 17829 CCAGTTCATGAGCACCACAA 17848

RESULT 2  
US-09-489-039A-6112  
; Sequence 6112, Application US/09489039A  
; Patent No. 6610836  
; GENERAL INFORMATION:  
; APPLICANT: Gary Breton et. al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS  
; CURRENT APPLICATION NUMBER: US/09/489,039A  
; CURRENT FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/117,747

; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 14342  
; SEQ ID NO 6112  
; LENGTH: 2556  
; TYPE: DNA  
; ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-6112

Query Match 1.8%; Score 19; DB 4; Length 2556;  
Best Local Similarity 100.0%; Pred. No. 15;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 180 AGCTCACCGTCTTCGACA 198  
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Db 850 AGCTCACCGTCTTCGACA 868

RESULT 3  
US-09-292-034-1  
; Sequence 1, Application US/09292034  
; Patent No. 6492343  
; GENERAL INFORMATION:  
; APPLICANT: Reddy, P. Seshidhar  
; APPLICANT: Tikoo, Suresh  
; APPLICANT: Babluk, Lorne  
; TITLE OF INVENTION: PORCINE ADENOVIRUS TYPE 3 GENOME  
; FILE REFERENCE: 293102002400  
; CURRENT APPLICATION NUMBER: US/09/292,034  
; CURRENT FILING DATE: 1999-04-14  
; NUMBER OF SEQ ID NOS: 8  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 1  
; LENGTH: 34094  
; TYPE: DNA  
; ORGANISM: Porcine Adenovirus Type 3  
; FEATURE:  
US-09-292-034-1

Query Match 1.8%; Score 19; DB 4; Length 34094;  
Best Local Similarity 100.0%; Pred. No. 14;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 850 AGCAGCGGCTTGATCCG 868  
|||||  
Db 21527 AGCAGCGGCTTGATCCG 21545

RESULT 4  
US-09-949-016-13002/c  
; Sequence 13002, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 13002  
; LENGTH: 168394  
; TYPE: DNA  
; ORGANISM: Human  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)...(168394)

; OTHER INFORMATION: n = A,T,C or G  
US-09-949-016-13002

Query Match 1.8%; Score 19; DB 4; Length 168394;  
Best Local Similarity 100.0%; Pred. No. 14;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 545 TTTCAGCTTCTCCGGTTT 563  
|||||  
Db 77366 TTTCAGCTTCTCCGGTTT 77348

RESULT 5  
US-09-902-540-5948  
; Sequence 5948, Application US/09902540  
; Patent No. 6833447  
; GENERAL INFORMATION:  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Wiegand, Roger C.  
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof  
; FILE REFERENCE: 38-10(15849)B  
; CURRENT APPLICATION NUMBER: US/09/902,540  
; CURRENT FILING DATE: 2001-07-10  
; PRIOR APPLICATION NUMBER: 60/217,883  
; PRIOR FILING DATE: 2000-07-10  
; NUMBER OF SEQ ID NOS: 16825  
; SEQ ID NO 5948  
; LENGTH: 372  
; TYPE: DNA  
; ORGANISM: Myxococcus xanthus  
US-09-902-540-5948

Query Match 1.7%; Score 18; DB 4; Length 372;  
Best Local Similarity 100.0%; Pred. No. 52;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 150 GCCGGTGATGCCGTCGTT 167  
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Db 234 GCCGGTGATGCCGTCGTT 251

RESULT 6  
US-09-489-039A-716  
; Sequence 716, Application US/09489039A  
; Patent No. 6610836  
; GENERAL INFORMATION:  
; APPLICANT: Gary Breton et. al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 2709.2004001  
; CURRENT APPLICATION NUMBER: US/09/489,039A  
; CURRENT FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/117,747  
; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 14342  
; SEQ ID NO 716  
; LENGTH: 1527  
; TYPE: DNA  
; ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-716

Query Match 1.7%; Score 18; DB 4; Length 1527;  
Best Local Similarity 100.0%; Pred. No. 50;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 143 AGCGGAGCCGGTGATGC 160  
|||||  
Db 965 AGCGGAGCCGGTGATGC 982

RESULT 7

US-09-902-540-198  
; Sequence 198, Application US/09902540  
; Patent No. 6833447  
; GENERAL INFORMATION:  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Wiegand, Roger C.  
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof  
; FILE REFERENCE: 38-10(15849)B  
; CURRENT APPLICATION NUMBER: US/09/902,540  
; PRIOR FILING DATE: 2001-07-10  
; PRIOR APPLICATION NUMBER: 60/217,883  
; NUMBER OF SEQ ID NOS: 16825  
; SEQ ID NO 198  
; LENGTH: 1720  
; TYPE: DNA  
; ORGANISM: Myxococcus xanthus  
US-09-902-540-198

Query Match 1.7%; Score 18; DB 4; Length 1720;  
Best Local Similarity 100.0%; Pred. No. 50;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 150 GCCGGTGATGCCGTCGTT 167  
|||||  
DB 234 GCCGGTGATGCCGTCGTT 251

## RESULT 8

US-09-976-594-3/c  
; Sequence 3, Application US/09976594  
; Patent No. 6673549  
; GENERAL INFORMATION:  
; APPLICANT: Furness, Michael  
; APPLICANT: Buchbinder, Jenny  
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS  
; FILE REFERENCE: PA-0041 US  
; CURRENT APPLICATION NUMBER: US/09/976,594  
; PRIOR FILING DATE: 2001-10-12  
; PRIOR APPLICATION NUMBER: 60/240,409  
; PRIOR FILING DATE: 2000-10-12  
; NUMBER OF SEQ ID NOS: 1143  
; SOFTWARE: PERL Program  
; SEQ ID NO 3  
; LENGTH: 4261  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Incyte ID No. 6673549 1863336CB1  
US-09-976-594-3

Query Match 1.7%; Score 18; DB 4; Length 4261;  
Best Local Similarity 100.0%; Pred. No. 49;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 603 AGCTTGGCATCATCCAC 620  
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DB 3322 AGCTTGGCATCATCCAC 3305

## RESULT 9

US-09-949-016-16873/c  
; Sequence 16873, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 16873  
; LENGTH: 35688  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-16873

Query Match 1.7%; Score 18; DB 4; Length 35688;  
Best Local Similarity 100.0%; Pred. No. 47;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 473 TGGGTGAAAATCTGATGA 490  
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## RESULT 10

US-09-949-016-12101/c  
; Sequence 12101, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12101  
; LENGTH: 94879  
; TYPE: DNA  
; ORGANISM: Human  
; NAME/KEY: misc feature  
; LOCATION: (1)...(94879)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-949-016-12101

Query Match 1.7%; Score 18; DB 4; Length 94879;  
Best Local Similarity 100.0%; Pred. No. 46;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 510 TTCTAACAGTCAGTATAT 527  
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DB 76650 TTCTAACAGTCAGTATAT 76633

## RESULT 11

US-09-949-016-13393/c  
; Sequence 13393, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 13393  
; LENGTH: 94884  
; TYPE: DNA  
; ORGANISM: Human  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(94884)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-949-016-13393

Query Match 1.7%; Score 18; DB 4; Length 94884;  
Best Local Similarity 100.0%; Pred. No. 46;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 510 TTCTAACAGTGTGATAT 527  
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Db 76650 TTCTAACAGTGTGATAT 76633

## RESULT 12

US-09-345-882-1  
; Sequence 1, Application US/09345882  
; Patent No. 639373  
; GENERAL INFORMATION:  
; APPLICANT: Bougueret, Lydie  
; TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)  
; FILE REFERENCE: GENSET.031A  
; CURRENT APPLICATION NUMBER: US/09/345,882  
; CURRENT FILING DATE: 1998-06-30  
; PRIOR APPLICATION NUMBER: US 60/091,315  
; PRIOR FILING DATE: 1998-06-30  
; PRIOR APPLICATION NUMBER: US 60/111,909  
; PRIOR FILING DATE: 1998-12-10  
; NUMBER OF SEQ ID NOS: 140  
; SOFTWARE: Patent.pm  
; SEQ ID NO 1  
; LENGTH: 162450  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 72794  
; OTHER INFORMATION: 5-124-273 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 88073  
; OTHER INFORMATION: 5-127-261 : polymorphic base A or C  
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; NAME/KEY: allele  
; LOCATION: 90842  
; OTHER INFORMATION: 99-1437-325 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 93714  
; OTHER INFORMATION: 5-128-60 : polymorphic base deletion of GT  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 97122  
; OTHER INFORMATION: 99-1442-224 : polymorphic base G or T  
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; LOCATION: 97152  
; OTHER INFORMATION: 5-129-144 : polymorphic base deletion of T  
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; LOCATION: 99098  
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; OTHER INFORMATION: 5-131-395 : polymorphic base A or T  
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US-09-949-016-12777/c
; Sequence 12777, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03

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; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
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;   ORGANISM: Human
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(828152)
;   OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12777

Query Match          1.7%; Score 18; DB 4; Length 828152;
Best Local Similarity 100.0%; Pred. No. 44;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 985 CTGAGAGACTTCTCCCTA 1002
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Db 132306 CTGAGAGACTTCTCCCTA 132289

RESULT 15
US-09-916-421B-1/c
; Sequence 1, Application US/08916421B
; Patent No. 6503729
; GENERAL INFORMATION:
;   APPLICANT: Bult et al.
;   TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methanococcus
;   Patent No. 6503729
;   TITLE OF INVENTION: jannaschii
;   FILE REFERENCE: PB275
;   CURRENT APPLICATION NUMBER: US/08/916,421B
;   CURRENT FILING DATE: 1997-08-22
;   PRIOR APPLICATION NUMBER: US 60/024,428
;   PRIOR FILING DATE: 1996-08-22
;   NUMBER OF SEQ ID NOS: 3
;   SOFTWARE: PatentIn version 3.1
;   SEQ ID NO 1
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US-08-916-421B-1
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Best Local Similarity 100.0%; Pred. No. 43;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1071	100.0	1071	9 US-09-938-842A-1034	Sequence 1034, Ap
2	1071	100.0	1071	11 US-09-938-842A-1034	Sequence 1034, Ap
3	289	27.0	460	9 US-09-924-035A-502	Sequence 502, App
4	286	26.7	453	9 US-09-770-444-615	Sequence 615, App
5	185	17.3	185	9 US-09-770-696-257	Sequence 257, App
6	25	2.3	704	17 US-10-225-066A-1049	Sequence 1049, Ap
7	25	2.3	704	17 US-10-374-780A-2689	Sequence 2689, Ap

ALIGNMENTS

RESULT 1  
US-09-938-842A-1034  
; Sequence 1034, Application US/0938842A  
; Patent No. US20020160378A1  
; GENERAL INFORMATION:  
; APPLICANT: Harper, Jeff  
; APPLICANT: Kreps, Joel  
; APPLICANT: Wang, Xun  
; APPLICANT: Zhu, Tong  
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING  
; FILE OF INVENTION: SAME, AND METHODS OF USE  
; FILE REFERENCE: SCRIPI300-3  
; CURRENT APPLICATION NUMBER: US/09/938,842A  
; CURRENT FILING DATE: 2001-08-24  
; PRIOR APPLICATION NUMBER: US 60/227,866  
; PRIOR FILING DATE: 2000-08-24  
; PRIOR APPLICATION NUMBER: US 60/264,647  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/300,111  
; PRIOR FILING DATE: 2001-06-22  
; NUMBER OF SEQ ID NOS: 5379  
; SEQ ID NO 1034  
; LENGTH: 1071  
; TYPE: DNA  
; ORGANISM: Arabidopsis thaliana  
US-09-938-842A-1034  
Query Match 100.0%; Score 1071; DB 9; Length 1071;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 1071; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 661 TGGGCTATTCATCAAAACGATGATTCGACGCTCGGAGCTTCTTCTGATTCACAA 720
Db |||
QY 721 ATCGCTGGTTCGATCGAATCAGCTCAGTTATTTAGCTTTTCCGCGCGCGCTGCTTCGCG 780
Db |||
QY 781 TCGCTTACGTCGCGCTGTTCAACAGGCTTCCAGATGGCTAGACCACTCTTTTACAA 840
Db |||
QY 841 GTTGTTCAGAGCGGCTTGTATTCGTTTACAGCTTACAGCTTTCGAAATTTATCAAGA 900
Db |||
QY 901 GCGAGCTCGGTTATGGCTCCGAGCTCAAGCTCAGGCGTAAACCGGTAGTTTCATCGTCA 960
Db |||
QY 961 ATTCGACAAACAAACGACGACGCTGAGAGCTTCTCCCTAGAGATATACGAGAAACA 1020
Db |||
QY 1021 GAGCTTCCAGCTTATGAGCAACCAACAGCAGCGTTCATCGAACCACTGA 1071
Db |||
QY 1021 GAGCTTCCAGCTTATGAGCAACCAACAGCAGCGTTCATCGAACCACTGA 1071
Db |||
```

```
RESULT 2
US-09-938-842A-1034
; Sequence 1034, Application US/09938842A
; Publication No. US20040009476A9
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; TITLE OF INVENTION: SAME, AND METHODS OF USE
; FILE REFERENCE: SRIPI300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 1034
; LENGTH: 1071
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-1034
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Query Match 100.0%; Score 1071; DB 11; Length 1071;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1071; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGCGACAAATTCAGAAAGTTGGAAGTTTCAGGCAAGATCAAACTCTAAGACCGTT 60
Db 1 ATGGCGACAAATTCAGAAAGTTGGAAGTTTCAGGCAAGATCAAACTCTAAGACCGTT 60
QY 61 GATCTAAACCATCATCAACGGCTCAGAAACGTCGAACTTCAAGACCTTTCAGTAAT 120
Db 61 GATCTAAACCATCATCAACGGCTCAGAAACGTCGAACTTTCAGTAAT 120
QY 121 CCCACAGTGAAGTCTGAGCCCAAGCGGAGCGGTGATGCGTCTGTTTCAATGCTTTA 180
Db 121 CCCACAGTGAAGTCTGAGCCCAAGCGGAGCGGTGATGCGTCTGTTTCAATGCTTTA 180
QY 181 GCTCCACCGTCTTCGACAGGACCACTTGAAGAGCTTCGACTAAAGACCGTCACAG 240
Db 181 GCTCCACCGTCTTCGACAGGACCACTTGAAGAGCTTCGACTAAAGACCGTCACAG 240
QY 241 AAGTTGAAGGAGGAGGAGGATACGATGCTGCCAGCTGTCGCGCTAGGATTTT 300
Db 241 AAGTTGAAGGAGGAGGAGGATACGATGCTGCCAGCTGTCGCGCTAGGATTTT 300
QY 301 CAATTAACTCGAGAGTTAGTCAAAATCCGACGGCGAAACGATTCGGTGGTTGGAG 360
Db 301 CAATTAACTCGAGAGTTAGTCAAAATCCGACGGCGAAACGATTCGGTGGTTGGAG 360
QY 361 AACGCTGAGCGCGGATATAGCCGACGGGTACGGGAACGGTTCGCCCATCGCCATG 420
Db 361 AACGCTGAGCGCGGATATAGCCGACGGGTACGGGAACGGTTCGCCCATCGCCATG 420
QY 421 TCGGTTAAGGAACTTAAATATCCGACGACGAAACGCTGATTCGATATGGTGAA 480
Db 421 TCGGTTAAGGAACTTAAATATCCGACGACGAAACGCTGATTCGATATGGTGAA 480
QY 481 AATCTGATGAAGAAAGAAACGTPAAACGACTTCTAACAGTGAATATAGACATAGCGAC 540
Db 481 AATCTGATGAAGAAAGAAACGTPAAACGACTTCTAACAGTGAATATAGACATAGCGAC 540
QY 541 GCGGTTTACGCTTCTCGGTTTACGCTTCAATTCGACGACGAAACGATCCAACTCCG 600
Db 541 GCGGTTTACGCTTCTCGGTTTACGCTTCAATTCGACGACGAAACGATCCAACTCCG 600
QY 601 CAAGCTCTGGCATATCCACTGTGCTCAGCAACTTCTGCGCAAGGAATGTATCCGATG 660
Db 601 CAAGCTCTGGCATATCCACTGTGCTCAGCAACTTCTGCGCAAGGAATGTATCCGATG 660
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Db 601 CAAGCTCTGGCATCATCCACTGTGGCTCAGCAACTTCTGCGCGCAAGGAATGTATCCGATG 660  
Qy 661 TGGGCTATTCCATCAAAACGAATGATTCGACGGTCGGAGCTTCTTCTTGATTCACAA 720  
Db 661 TGGGCTATTCCATCAAAACGAATGATTCGACGGTCGGAGCTTCTTCTTGATTCACAA 720  
Qy 721 ATCGCTGGTCCGTCGAATCAGCTTCAGTTATTAGCTTTTCCCGCGCGCTGCTTCGCGG 780  
Db 721 ATCGCTGGTCCGTCGAATCAGCTTCAGTTATTAGCTTTTCCCGCGCGCTGCTTCGCGG 780  
Qy 781 TCGTCTTAGCTCGCGCTGTTCAACAGGCTTCACAGCTTCGACATGGCTAGACCACTCTTTACAA 840  
Db 781 TCGTCTTAGCTCGCGCTGTTCAACAGGCTTCACAGCTTCGACATGGCTAGACCACTCTTTACAA 840  
Qy 841 GTTGTTCGAAGCAGCGGCTTTGTATCCGTTTCAGAGTTTAGCGTTTCGAATTTATCAAGA 900  
Db 841 GTTGTTCGAAGCAGCGGCTTTGTATCCGTTTCAGAGTTTAGCGTTTCGAATTTATCAAGA 900  
Qy 901 GCGAGCTCGGTTATGGCTCCGAGCTCAAGCTCAGGCGTAAACCGGTATTCATCGTCA 960  
Db 901 GCGAGCTCGGTTATGGCTCCGAGCTCAAGCTCAGGCGTAAACCGGTATTCATCGTCA 960  
Qy 961 ATTGCAACAAACGACGACACAGCTCAGAGACTTCTCCTAGAGATATACGAGAAACAA 1020  
Db 961 ATTGCAACAAACGACGACACAGCTCAGAGACTTCTCCTAGAGATATACGAGAAACAA 1020  
Qy 1021 GAGCTTCCACAGTTTCATGAGCACCACCAACAGCAGCTCATCGAACCACTGA 1071  
Db 1021 GAGCTTCCACAGTTTCATGAGCACCACCAACAGCAGCTCATCGAACCACTGA 1071

## RESULT 3

US-09-924-035A-502/c  
; Sequence 502, Application US/09924035A  
; Patent No. US20020142319A1  
; GENERAL INFORMATION:  
; APPLICANT: Glach, Jrn  
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis  
; FILE REFERENCE: 2011US  
; CURRENT APPLICATION NUMBER: US/09/924,035A  
; CURRENT FILING DATE: 2000-08-11  
; PRIOR APPLICATION NUMBER: US 60/148,784  
; PRIOR FILING DATE: 1999-08-13  
; NUMBER OF SEQ ID NOS: 900  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 502  
; LENGTH: 460  
; TYPE: DNA  
; ORGANISM: Arabidopsis thaliana  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(460)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-924-035A-502

Query Match 27.0%; Score 289; DB 9; Length 460;  
Best Local Similarity 99.6%; Pred. No. 1.5e-148;  
Matches 459; Conservative 0; Mismatches 1; Indels 1; Gaps 1;  
Qy 600 GCAAGCTCTGGCATCATCCACTGTGGCTCAGCAACTTCTGCGCGCAAGGAATGTATCCGAT 659  
Db 460 GCAAGCTCTGGCATCATCCACTGTGGCTCAGCAACTTCTGCGCGCAAGGAATGTATCCGAT 401  
Qy 660 GTGGGCTATTCCATCAAAACGAATGATTCGACGGTCGGAGCTTCTTCTTGATTCACAA 719  
Db 400 GTGGGCTATTCCATCAAAACGAATGATTCGACGGTCGGAGCTTCTTCTTGATTCACAA 341  
Qy 720 ATCGCTGGTCCGTCGAATCAGCTTCAGTTATTAGCTTTTCCCGCGCGCTGCTTCGCGG 779  
Db 340 ATCGCTGGTCCGTCGAATCAGCTTCAGTTATTAGCTTTTCCCGCGCGCGGNG-FTCGCC 282

Qy 780 GTGCTCTTAGCTCGCGCTGTTCAACAGGCTTCCAGATGGCTAGACCACTCTCTTTACA 839  
Db 281 GTGCTCTTAGCTCGCGCTGTTCAACAGGCTTCCAGATGGCTAGACCACTCTCTTTACA 222  
Qy 840 AGTTGTTTCAAGCAGCGGCTTTGTATCCGTTTCAGACGTTAGCGGTTGCAATTTATCAAG 899  
Db 221 AGTTGTTTCAAGCAGCGGCTTTGTATCCGTTTCAGACGTTAGCGGTTGCAATTTATCAAG 162  
Qy 900 AGCGAGCTCGGTTATGGCTCCGAGCTCAAGCTCAGGCGTAAACCGGTAGTTTCATCGTC 959  
Db 161 AGCGAGCTCGGTTATGGCTCCGAGCTCAAGCTCAGGCGTAAACCGGTAGTTTCATCGTC 102  
Qy 960 AATTGCAACAAACGACGACACAGCTCAGAGACTTCTCCTAGAGATATACGAGAAACAA 1019  
Db 101 AATTGCAACAAACGACGACACAGCTCAGAGACTTCTCCTAGAGATATACGAGAAACAA 42  
Qy 1020 AGAGCTTCCACAGTTTCATGAGCACCACCAACAGCAGCTCAT 1060  
Db 41 AGAGCTTCCACAGTTTCATGAGCACCACCAACAGCAGCTCAT 1

## RESULT 4

US-09-770-444-615/c  
; Sequence 615, Application US/09770444  
; Patent No. US20020023280A1  
; GENERAL INFORMATION:  
; APPLICANT: Goriach, Jörn  
; APPLICANT: An, Yong-Qiang  
; APPLICANT: Hamilton, Carol M.  
; APPLICANT: Price, Jennifer L.  
; APPLICANT: Raines, Tracy M.  
; APPLICANT: Yu, Yang  
; APPLICANT: Rameaka, Joshua G.  
; APPLICANT: Page, Amy  
; APPLICANT: Matthew, Abraham V.  
; APPLICANT: Ledford, Brooke L.  
; APPLICANT: Woessner, Jeffrey P.  
; APPLICANT: Haas, William David  
; APPLICANT: Garcia, Carlos A.  
; APPLICANT: Kriker, Maja  
; APPLICANT: Slader, Ted  
; APPLICANT: Davis, Keith R.  
; APPLICANT: Allen, Keith  
; APPLICANT: Hoffman, Neil  
; APPLICANT: Hurban, Patrick  
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis  
; FILE REFERENCE: 2027 (PARA-016PRV)  
; CURRENT APPLICATION NUMBER: US/09/770,444  
; CURRENT FILING DATE: 2001-01-26  
; PRIOR APPLICATION NUMBER: 60/178,502  
; PRIOR FILING DATE: 2000-01-27  
; NUMBER OF SEQ ID NOS: 999  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 615  
; LENGTH: 453  
; TYPE: DNA  
; ORGANISM: Arabidopsis thaliana  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(453)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-770-444-615

Query Match 26.7%; Score 286; DB 9; Length 453;  
Best Local Similarity 100.0%; Pred. No. 6.7e-147;  
Matches 286; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 775 TCGCGCTCGTCTTAGCTCGCGCTGTTCAACAGGCTTCCAGATGGCTAGACCACTCTCT 834  
Db 286 TCGCGCTCGTCTTAGCTCGCGCTGTTCAACAGGCTTCCAGATGGCTAGACCACTCTCT 227  
Qy 835 TTACAAGTTGTTTCCAAGCAGCGGCTTTGTATCCGTTTCAGAGCTTAGCGGTTTCGAATTTA 894

```
Db      226 TTACAAGTTGTTCCAAGCAGCGCTTTGTTATCCGTTTCAGAGTTAGCGGTTTCGAATTTA 167
QY      895 TCAAGAGCGACGTCGGTTATGCTCCGAGCTCAAGCTCAGCGGTAAACAACCGGTAGTTCA 954
Db      166 TCAAGAGCGACGTCGGTTATGCTCCGAGCTCAAGCTCAGCGGTAAACAACCGGTAGTTCA 107
QY      955 TCGTCAATTGCAACACACGACGACGACGCTGAGAGACTTCCCTAGAGATATACGAG 1014
Db      106 TCGTCAATTGCAACACACGACGACGACGCTGAGAGACTTCCCTAGAGATATACGAG 47
QY      1015 AAACAAGAGCTTCCACAGTTTCATGAGCACCAACAACGACGAGTCAAT 1060
Db      46 AAACAAGAGCTTCCACAGTTTCATGAGCACCAACAACGACGAGTCAAT 1

RESULT 5
US-09-770-696-257
; Sequence 257, Application US/09770696
; Patent No. US20010044940A1
; GENERAL INFORMATION:
; APPLICANT: Gorlach, Jorn
; APPLICANT: An, Yong-Qiang
; APPLICANT: Hamilton, Carol M.
; APPLICANT: Price, Jennifer L.
; APPLICANT: Raines, Tracy M.
; APPLICANT: Yu, Yang
; APPLICANT: Rameaka, Joshua G.
; APPLICANT: Page, Amy
; APPLICANT: Matthew, Abraham V.
; APPLICANT: Ledford, Brooke L.
; APPLICANT: Woessner, Jeffrey P.
; APPLICANT: Haas, William David
; APPLICANT: Garcia, Carlos A.
; APPLICANT: Krieker, Ted
; APPLICANT: Slader, Ted
; APPLICANT: Davis, Keith R.
; APPLICANT: Allen, Keith
; APPLICANT: Hoffman, Neil
; APPLICANT: Hurban, Patrick
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis
; FILE REFERENCE: 2031US (PARA-020PRV)
; CURRENT APPLICATION NUMBER: US/09770,696
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/178,278
; PRIOR FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 911
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 257
; LENGTH: 185
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-770-696-257

.. Query Match      17.3%; Score 185; DB 9; Length 185;
Best Local Similarity 100.0%; Pred. No. 4.4e-91;
Matches 185; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      35 GCAAGATCAAACTCTAAGAGCGGTTGATCTAAACCATCATCAACGGCGTCAGAAACGTCG 94
Db      1 GCAAGATCAAACTCTAAGAGCGGTTGATCTAAACCATCATCAACGGCGTCAGAAACGTCG 60
QY      95 AAACCTCAAGACCTTCCAGTAAATCCACAGTAGTCTCAGGCCCAAGCGCGAGCGCG 154
Db      61 AAACCTCAAGACCTTCCAGTAAATCCACAGTAGTCTCAGGCCCAAGCGCGAGCGCG 120
QY      155 TCATCGCGTCTTTTCAATGTCTTTAGCTCCACCGTCTTCGACAGGACCAACCATTAAGA 214
Db      121 TCATCGCGTCTTTTCAATGTCTTTAGCTCCACCGTCTTCGACAGGACCAACCATTAAGA 180
QY      215 GAGCT 219
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```
Db      181 GAGCT 185

RESULT 6
US-10-225-066A-1049
; Sequence 1049, Application US/10225066A
; Publication No. US20030226173A1
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: RATCLIFFE, Oliver
; APPLICANT: RIECHMANN, Jose Luis
; APPLICANT: ADAM, Luc J
; APPLICANT: DUBELL, Arnold T
; APPLICANT: HEARD, Jacqueline E
; APPLICANT: PILGRIM, Marsha L
; APPLICANT: JIANG, Cai-Zhong
; APPLICANT: REUBER, T. Lynne
; APPLICANT: CREELMAN, Robert A
; APPLICANT: PINEDA, Omaira
; APPLICANT: YU, Guo-Liang
; APPLICANT: BROUN, Pierre E
; TITLE OF INVENTION: Yield-Related Polynucleotides and Polypeptides in Plants
; FILE REFERENCE: MB10036-2 US
; CURRENT APPLICATION NUMBER: US/10/225,066A
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 09/837,444
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 1122
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1049
; LENGTH: 704
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-10-225-066A-1049

Query Match      2.3%; Score 25; DB 17; Length 704;
Best Local Similarity 100.0%; Pred. No. 0.013;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      222 GACTAAAGACCGTCACACGAAAGGTT 246
Db      189 GACTAAAGACCGTCACACGAAAGGTT 213

RESULT 7
US-10-374-780A-2689
; Sequence 2689, Application US/10374780A
; Publication No. US20040019927A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, Bradley K
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Heard, Jacqueline E
; APPLICANT: Haake, Volker
; APPLICANT: Creelman, Robert A
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Adam, Luc J
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddle, James
; APPLICANT: Broun, Pierre E
; APPLICANT: Pilgrim, Marsha L
; APPLICANT: Dubell III, Arnold T
; APPLICANT: Pineda, Omaira
; APPLICANT: Yu, Guo-Liang
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
```

FILE REFERENCE: MBI-0047 CIP  
CURRENT APPLICATION NUMBER: US/10/374,780A  
CURRENT FILING DATE: 2003-02-25  
PRIOR APPLICATION NUMBER: 09/837,944  
PRIOR FILING DATE: 2001-04-18  
PRIOR APPLICATION NUMBER: 60/310,847  
PRIOR FILING DATE: 2001-08-09  
PRIOR APPLICATION NUMBER: 09/934,455  
PRIOR FILING DATE: 2001-08-22  
PRIOR APPLICATION NUMBER: 60/336,049  
PRIOR FILING DATE: 2001-11-19  
PRIOR APPLICATION NUMBER: 60/338,692  
PRIOR FILING DATE: 2001-12-11  
PRIOR APPLICATION NUMBER: 10/171,468  
PRIOR FILING DATE: 2002-06-14  
PRIOR APPLICATION NUMBER: 10/225,066  
PRIOR FILING DATE: 2002-08-09  
PRIOR APPLICATION NUMBER: 10/225,067  
PRIOR FILING DATE: 2002-08-09  
PRIOR APPLICATION NUMBER: 10/225,068  
PRIOR FILING DATE: 2002-08-09  
NUMBER OF SEQ ID NOS: 2906  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 2689  
LENGTH: 704  
TYPE: DNA  
ORGANISM: Arabidopsis thaliana  
FEATURE:  
OTHER INFORMATION: G1663  
US-10-374-780A-2689

Query Match 2.3%; Score 25; DB 17; Length 704;  
Best Local Similarity 100.0%; Pred. No. 0.013;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 222 GACTAAGACCGTCACACGAAGTT 246  
DB 189 GACTAAGACCGTCACACGAAGTT 213

## RESULT 8

US-09-732-627A-4287  
Sequence 4287, Application US/09/732627A  
Publication No. US20040123338A1  
GENERAL INFORMATION:  
APPLICANT: Fincher, Karen L.  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
FILE REFERENCE: 38-21(51770)B  
CURRENT APPLICATION NUMBER: US/09/732,627A  
CURRENT FILING DATE: 2000-12-08  
NUMBER OF SEQ ID NOS: 4930  
SEQ ID NO 4287  
LENGTH: 390  
TYPE: DNA  
ORGANISM: Gossypium hirsutum  
FEATURE:  
OTHER INFORMATION: Clone ID: LIB3493-028-P1-M1-P9  
US-09-732-627A-4287

Query Match 2.1%; Score 23; DB 11; Length 390;  
Best Local Similarity 100.0%; Pred. No. 0.16;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 223 ACTAAGACCGTCACACGAAGTT 245  
DB 43 ACTAAGACCGTCACACGAAGTT 65

## RESULT 9

US-10-021-323-15482  
Sequence 15482, Application US/10021323  
Publication No. US20040123340A1

GENERAL INFORMATION:  
APPLICANT: Deikman, Jill  
APPLICANT: Peng, Paul C.C.  
APPLICANT: Fincher, Karen L.  
APPLICANT: Ziegler, Todd E.  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(52274)B  
CURRENT APPLICATION NUMBER: US/10/021,323  
CURRENT FILING DATE: 2001-12-12  
PRIOR APPLICATION NUMBER: US 60/255, 619  
PRIOR FILING DATE: 2000-12-14  
NUMBER OF SEQ ID NOS: 17880  
SEQ ID NO 15482  
LENGTH: 587  
TYPE: DNA  
ORGANISM: Gossypium hirsutum  
FEATURE:  
OTHER INFORMATION: Clone ID: LIB3829-026-Q6-K6-G6  
US-10-021-323-15482

Query Match 2.1%; Score 23; DB 19; Length 587;  
Best Local Similarity 100.0%; Pred. No. 0.16;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 223 ACTAAGACCGTCACACGAAGTT 245  
DB 257 ACTAAGACCGTCACACGAAGTT 279

## RESULT 10

US-10-767-795-3984  
Sequence 3984, Application US/10767795  
Publication No. US20040181830A1  
GENERAL INFORMATION:  
APPLICANT: Kovalic, David K.  
APPLICANT: Cao, Yongwei  
APPLICANT: Zhou, Yihua  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(53534)B  
CURRENT APPLICATION NUMBER: US/10/767,795  
CURRENT FILING DATE: 2004-01-30  
NUMBER OF SEQ ID NOS: 117596  
SEQ ID NO 3984  
LENGTH: 938  
TYPE: DNA  
ORGANISM: Gossypium hirsutum  
FEATURE:  
OTHER INFORMATION: Clone ID: GOSHI-09MAY01-C3741\_1  
US-10-767-795-3984

Query Match 2.1%; Score 23; DB 19; Length 938;  
Best Local Similarity 100.0%; Pred. No. 0.17;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 223 ACTAAGACCGTCACACGAAGTT 245-  
DB 258 ACTAAGACCGTCACACGAAGTT 280

## RESULT 11

US-10-295-403-147  
Sequence 147, Application US/10295403  
Publication No. US20030101481A1  
GENERAL INFORMATION:  
APPLICANT: Heard, Jacqueline  
APPLICANT: Riechmann, Jose Luis  
APPLICANT: Adam, Luc  
APPLICANT: Broun, Pierre  
APPLICANT: Pineda, Omar  
APPLICANT: Reuber, Lynne  
APPLICANT: Jiang, Cai-Zhong

; APPLICANT: Keddle, James  
; APPLICANT: Zhang, James  
; APPLICANT: Benito, Maria-Ines  
; APPLICANT: Yu, Guo-Liang  
; APPLICANT: Fromm, Mike  
; TITLE OF INVENTION: PLANT GENE SEQUENCES I  
; FILE REFERENCE: MBI-0003  
; CURRENT APPLICATION NUMBER: US/10/295,403  
; CURRENT FILING DATE: 2002-11-15  
; PRIOR APPLICATION NUMBER: US/09/394,519  
; PRIOR FILING DATE: 1999-09-13  
; PRIOR APPLICATION NUMBER: 60/101,349  
; PRIOR FILING DATE: 1998-09-22  
; PRIOR APPLICATION NUMBER: 60/103,312  
; PRIOR FILING DATE: 1998-10-06  
; PRIOR APPLICATION NUMBER: 60/108,734  
; PRIOR FILING DATE: 1998-11-17  
; PRIOR APPLICATION NUMBER: 60/113,409  
; PRIOR FILING DATE: 1998-12-22  
; NUMBER OF SEQ ID NOS: 170  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 147  
; LENGTH: 1604  
; TYPE: DNA  
; ORGANISM: Arabidopsis thaliana  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (143)..(1345)  
; OTHER INFORMATION: G802  
US-10-295-403-147

Query Match 2.1%; Score 23; DB 15; Length 1604;  
Best Local Similarity 100.0%; Pred. No. 0.17;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 220 TCGACTAAAGACCGTCACACGAA 242  
|||||  
Db 317 TCGACTAAAGACCGTCACACGAA 339

RESULT 12  
US-10-412-699B-551  
; Sequence 551, Application US/10412699B  
; Publication No. US20040045049A1  
; GENERAL INFORMATION:  
; APPLICANT: Mendel Biotechnology, Inc.  
; APPLICANT: Zhang, James  
; APPLICANT: Fromm, Michael E.  
; APPLICANT: Heard, Jacqueline E.  
; APPLICANT: Riechmann, Jose Luis  
; APPLICANT: Adam, Luc J.  
; APPLICANT: Broun, Pierre E.  
; APPLICANT: Pineda, Omaisra  
; APPLICANT: Reuber, T. Lynne  
; APPLICANT: Keddle, James S.  
; APPLICANT: Yu, Guo-Liang  
; APPLICANT: Jiang, Cai-Zhong  
; APPLICANT: Samaha, Raymond R.  
; APPLICANT: Pilgrim, Marsha L.  
; APPLICANT: Creelman, Robert A.  
; APPLICANT: DuBell, Arnold N.  
; APPLICANT: Ratcliffe, Oliver  
; APPLICANT: Kumamoto, Roderick  
; APPLICANT: Sherman, Bradley K.  
; TITLE OF INVENTION: Polynucleotides and Polypeptides in Plants  
; FILE REFERENCE: MBI-0048CIP  
; CURRENT APPLICATION NUMBER: US/10/412,699B  
; CURRENT FILING DATE: 2003-04-10  
; PRIOR APPLICATION NUMBER: 09/394,519  
; PRIOR FILING DATE: 1999-09-13  
; PRIOR APPLICATION NUMBER: 09/489,376  
; PRIOR FILING DATE: 2000-01-21  
; PRIOR APPLICATION NUMBER: 09/506,720

; PRIOR FILING DATE: 2000-02-17  
; PRIOR APPLICATION NUMBER: 09/533,030  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/533,392  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/533,029  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/532,591  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/533,648  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/713,994  
; PRIOR FILING DATE: 2000-11-16  
; PRIOR APPLICATION NUMBER: 09/819,142  
; PRIOR FILING DATE: 2001-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 2011  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 551  
; LENGTH: 1604  
; TYPE: DNA  
; ORGANISM: Arabidopsis thaliana  
; FEATURE:  
; OTHER INFORMATION: G802  
US-10-412-699B-551

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Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 220 TCGACTAAAGACCGTCACACGAA 242  
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Db 317 TCGACTAAAGACCGTCACACGAA 339

RESULT 13  
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; Sequence 33693, Application US/10363345A  
; Publication No. US20040234960A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek  
; APPLICANT: Kurt Berlin  
; TITLE OF INVENTION: Method for determining the degree of methylation of defined  
; FILE REFERENCE: E01/1227  
; CURRENT APPLICATION NUMBER: US/10/363,345A  
; CURRENT FILING DATE: 2003-03-03  
; NUMBER OF SEQ ID NOS: 40712  
; SEQ ID NO 33693  
; LENGTH: 755  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)  
; OTHER INFORMATION: CpG-island No: 33693  
US-10-363-345A-33693

Query Match 2.0%; Score 21; DB 20; Length 755;  
Best Local Similarity 100.0%; Pred. No. 2.1;  
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 438 AAAAATCCGACGACGACGAA 458  
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Db 88 AAAAATCCGACGACGACGAA 68

RESULT 14  
US-10-363-345A-33694  
; Sequence 33694, Application US/10363345A  
; Publication No. US20040234960A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexander Olek

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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Method for determining the degree of methylation of defined
; FILE REFERENCE: E01/1227
; CURRENT APPLICATION NUMBER: US/10/363,345A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 33694
; LENGTH: 755
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: CpG-island No: 33694
US-10-363-345A-33694
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Best Local Similarity 100.0%; Pred. No. 2.1;
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DB 668 AAAAATCCCGACGACGACGAA 688
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RESULT 15
US-10-363-483A-33693/C
; Sequence 33693, Application US/10363483A
; Publication No. US20050064401A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
; FILE REFERENCE: 82011
; CURRENT APPLICATION NUMBER: US/10/363,483A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 33693
; LENGTH: 755
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: CpG-island No: 33693
US-10-363-483A-33693
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Query Match          2.0%; Score 21; DB 21; Length 755;
Best Local Similarity 100.0%; Pred. No. 2.1;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 438 AAAAATCCCGACGACGACGAA 458
    |||||
DB 88 AAAAATCCCGACGACGACGAA 68
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Search completed: July 9, 2005, 21:43:32  
Job time : 716.441 secs

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